



JVC -03266

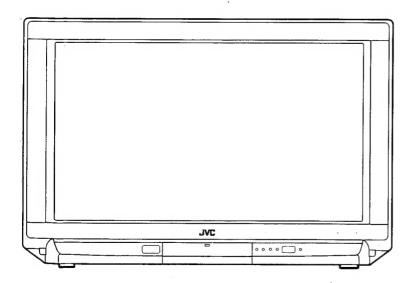
COLOUR TELEVISION

FARBFERNSEHGERÄT

- TELEVISEUR COULEUR
 - KLEURENTELEVISIE
- TELEVISOR A COLOR
- **TELEVISORE A COLORI**

Natural Vision

AV-28WR4EN AV-28WR4ENS



INSTRUCTIONS

BEDIENUNGSANLEITUNG
MANUEL D'INSTRUCTIONS
GEBRUIKSAANWIJZING
MANUAL DE INSTRUCCIONES
ISTRUZIONI

JVC

COLOUR TELEVISION

AV-28WR4ENS

INSTRUCTIONS

Thank you for purchasing this JVC colour television. To ensure your complete understanding, please read this manual thoroughly before operation.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

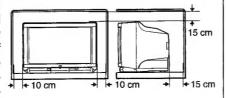
CAUTION:

TO ENSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

- Operate only from the power source specified (AC 220 240 V, 50 Hz) on the unit.
- 2. Avoid damaging the AC plug and power cord.
- Avoid damaging the proper installation and never position the unit where good ventilation is unattainable.

When installing this television, distance recommendations must

be maintained between the floor and wall, as well as instalment in a tightly enclosed area or piece of furniture. Adhere to the minimum distance guidelines shown for safe operation.



4. Do not allow objects or liquid into the cabinet openings.

In the event of a fault, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

When you don't use this TV set for a long period of time, be sure to disconnect the power plug from the AC outlet.

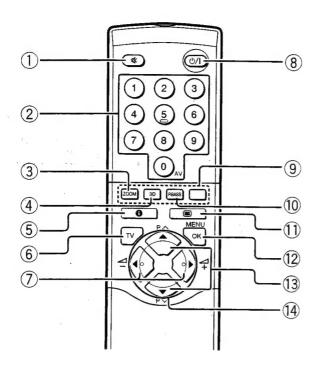
Natural Vision

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Locations of remote control buttons

OUTSIDE BUTTONS



① Mute button	p.10
② Number buttons	
③ ZOOM button	p.14
④ 3D button	p.17
⑤ Information button	p.7, 12
⑥ TV button	
7 Volume -/+ buttons	p.8
8 Standby button	p.6, 8
Colour buttons	
10 P. BASS button	p.10
① TV/text button	p.15
② OK button	
PR channel ∨// buttons	p.7
14 ◄/▶ / ▼/▲ buttons	
15 Teletext/VCR control buttons	p.15
10 VODEENT	

16 VCR/TEXT selector switch

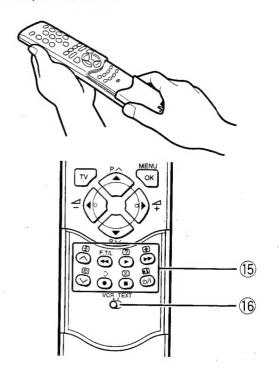
 When switched to the VCR side, the (5) buttons function as the JVC VCR control buttons.

Notes:

- For details on button functions, see the JVC VCR manual.
- Depending on your VCR, the remote control may not operate perfectly, and may not even control the VCR at all.
- When switched to the TEXT side, the (5) buttons function as teletext control buttons.

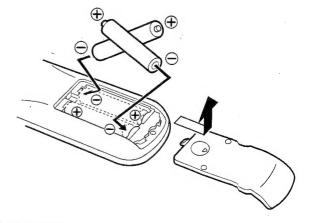
INSIDE BUTTONS

How to open the cover.



Inserting batteries into your remote control

Use two AAA/R03 dry cell batteries. Insert two batteries, observing the ⊕ and ⊖ polarities, inserting the ⊖ end first.



CAUTION:

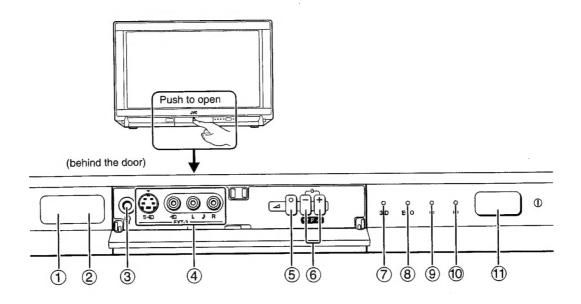
Follow the cautions printed on the batteries.

Notes

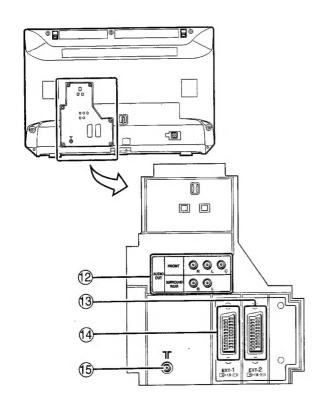
- Battery life is approx. six months to one year, deep nding on frequency of use.
- If the remote control operates erratically, replaceit e batteries.
- We recommend that you use the supplied batter's temporarily and replace them as soon as operating becomes erratic. The supplied batteries are for operational string of the remote control, not for regular use.

Locations of TV buttons and parts

FRONT PANEL



REAR PANEL

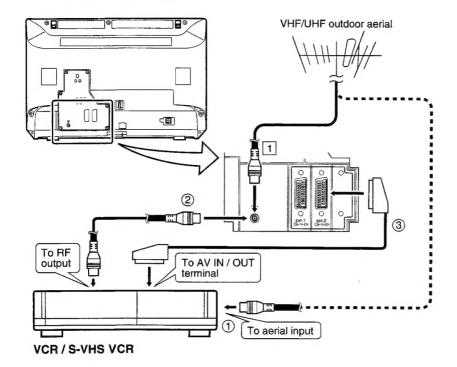


1	Remote control sensor	
2	ECO sensor	
3	Headphone jack (mini jack)	p.5
<u>4</u> <u>5</u>	EXT-3 terminals	p.4, 19
<u>(5)</u>	Volume button (Press this button to display the volume level indicator. the ⑥ Up/down buttons to change volume while the volume indicator is displayed.)	p.8 Press lume
6	Up/down buttons (You can use this button as the V//\ buttons of the PR channel. Pressing the 5 Volume button makes this button as the Volume -/+ buttons.)	p.8 L utton
7	3D lamp	p.17
8	ECO lamp	p.11
9	Sleep timer lamp	p.12
10	Power lamp	p.6, 8
1	Main power button	p.6, 8
12	AUDIO OUT terminals	p.24
13	EXT-2 terminal	p.4, 19
14)	EXT-1 terminal	p.4, 19
15)	Aerial socket	p.4
-		

PREPARATION AND BASIC OPERATION

1. Connecting the aerial and VCR

If not connecting a VCR, do $\boxed{1}$ only. If connecting a VCR, proceed $\boxed{1} \rightarrow \boxed{2} \rightarrow \boxed{3}$.



Notes:

- For further details, refer to manuals provided with the devices you are connecting.
- Connecting cables are not supplied.
- You can view video from a VCR without doing ③. For details, refer to the manual provided with your VCR.

2. Connecting other external devices

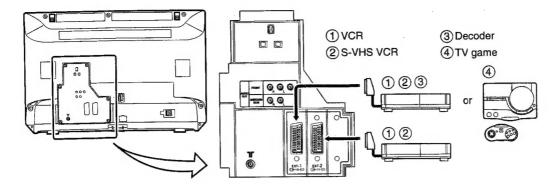
Conditions:

This TV set has external device connectors, EXT-1 to EXT-3 to which you
can connect a VCR. However, there are some differences in functions
among them. Consult the following table before making connections.

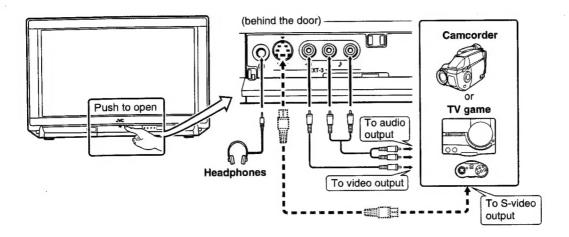
	EXT-1	EXT-2	EXT-3 (front)	
VIDEO IN	√*1	√*1	√*1	*1 Select VIDEO or S-VIDEO
VIDEO OUT	√*2	√*3	-	mode from the EXT SETTING
S-VIDEO IN	√*1	√*1	√*1	menu. For details, see page 19 "EXT SETTING."
S-VIDEO OUT	-		-	*2 Only the TV broadcast is
RGB IN	7	_	-	output.
AUDIO-L IN	√	√	1	*3 TV broadcasts or inputs from
AUDIO-R IN	√	√	V	EXT-1 or 3 can be output. For
AUDIO-L OUT	√*2	√*3	_	details, see page 19 "DUBBING."
AUDIO-R OUT	√*2	√*3		DOBBING.
Others	Automatic detection and switching of input mode. Automatic detection and switching of ZOOM mode.			

- Use headphones with a stereo mini jack (dia. 3.5 mm).
 When using headphones, the speakers will not output sound.
 Although, the signal from the AUDIO OUT terminals will not cut off when headphones are connected.
- For further details, refer to manuals provided with the devices you are connecting.
- · Connecting cables are not supplied.
- For details on how to connect the AUDIO OUT terminals on your TV and external devices such as the audio amplifiers or speakers, see page 24.

Devices which can be connected to the terminals on the rear panel

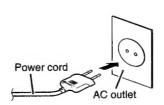


Devices which can be connected to the terminals on the front panel



3. Connecting the power cord

Insert the power plug into an AC outlet (AC 220 - 240 V, 50 Hz).



4. Turning the power and TV on

1. Press the Main power button on the TV to turn the power on.

The Power lamp lights red (power on), then green (TV on).

If the power lamp stays red and does not change to green: Your TV is in the standby mode. Press the Standby button on the remote control to turn your TV on.

Note:

Note:

 You can also press the PR channel
 \/\/ button, a number button or the up/down button on the front panel to turn the TV on.

The TV enters into the initial setting

mode only once when the TV is first turned ON. If you turn the TV off or exit

from the setting menu while performing the initial settings by mistake, you must

redo the initial settings, "LANGUAGE" and "AUTO PROGRAM", following the procedures described in page 20.

5. Initial Settings

- When the TV is first turned ON, it enters into the initial setting mode, and the JVC logo is displayed.
- 1. Press any button on the remote control.

LANGUAGE menu appears.

Selecting the on-screen language

You can select your language from ten languages listed on the LANGUAGE menu. The displayed menus on the screen are described in the selected language.

2. Press ▼/▲ button to select



3. Press OK button.

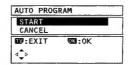
English is set for the on-screen display description, and the COUNTRY menu appears.

COUNTRY	
DEUTSCHLAND	SWITZERLAND
FRANCE	DANMARK
ITALIA	SVERIGE
ESPAÑA	OSTERREICH
NEDERLAND	NORGE
BELGIUM	SUOMI
LUXEMBOURG	PORTUGAL
W:EXIT W	:0K
.	

Automatically allocating stations to PR channels

To view a TV programme, you must first allocate broadcast stations to PR channels. You can automatically allocate up to 99 stations to PR channels PR1 to PR 99 on this TV. Broadcast stations that can be received are automatically determined and set to PR channels.

4. Press V/▲ and </br>
d and
d>✓/▶ button to select your country, then press OK button.



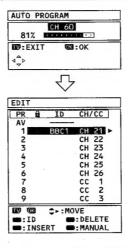
The AUTO PROGRAM menu appears.

5. Press OK button.

Broadcast stations are automatically allocated to the PR channels.

The EDIT menu is displayed after the allocation is completed.

 If you want to edit PR channels or allocate a station to PR0 (AV) channel, see page 21 "EDIT/MANUAL" for procedural description.



If you want to quit automatic allocation in the middle, press the TV button.

 The procedure is complete. Press the TV button to exit the menu.

6. Viewing a television programme

1 Select a PR channel.

Selection

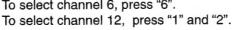


Press the PR channel V/\triangle button.



Direct channel selection

- Press the corresponding number buttons. Example: To select channel 6, press "6".



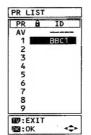
Notes:

- · If the picture is not clear or no colour appears, change the colour system manually (see page 10 for details).
- Enter "0" when selecting an AV channel (PR 0 channel).

To use the PR LIST to select a PR channel



- 1. Press Information button. The PR LIST appears.
 - · To exit the PR LIST, press TV button.





- Press ▶ button to view the next page of the PR LIST.
- Press ◀ button to view the previous page of the PR LIST.
- 3. Press OK button.



Note:

 The a mark will appear on the PR channel when the CHILD LOCK setting is on (see page 13).



2.	Press the	e Volume -/+ button.	
		The Volume level indicator appears and the volume changes as you press the Volume –/+ buttons.	
Tu	rning the	TV and power off	
1.	Press the	Standby button to turn the TV off.	
	(0/I)	The Power lamp changes from green to red. The TV enters standby mode.	
2.	Press the the main	e Main power button on the TV to turn power off. The Power lamp goes off.	Note: • To save energy, we recommend that you turn the main power off if you do not plan to use your TV for a long time.
CC	ontrol	the buttons on the front panel of the TV.	
1	Press th	e Up/down button to turn your TV on.	Note: If your TV does not turn on, press the
		The Power lamp changes from red to green.	Main power button, and then press the Up/down button again.
2	Press th channel.	e Up/down button to select the PR	
3	Adjust the	 Press the Volume button. The volume level indicator appears. Press the Up/down button while the volume level indicator is displayed. 	Note: • PR channel selection is not available while the volume level indicator is displayed.
•	To turn off your	TV, press the Main power button.	
	0	The Power lamp goes off.	

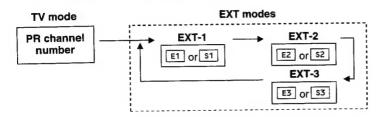
Viewing images from external devices

1. Repeatedly press the 0 button to select the EXT terminal.

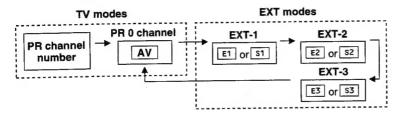
O_{AV}

The current selection appears, and disappears after several seconds.

When a station is not registered to the PR 0 (AV) channel, pressing the 0 button changes the selection as follows:



When a station is registered to the PR 0 (AV) channel, pressing the 0 button changes the selection as follows:



TV mode:

Shows images input from an external device (such as a VCR) or TV aerial connected to the aerial socket of your TV.

EXT modes:

Shows images input from an external device (such as a VCR) connected to the selected EXT terminal.

 To use S-Video mode to view input from an S-VHS VCR, see "To select S-VIDEO input for a terminal" on page 19. When selecting EXT-1, EXT-2 or EXT-3 input terminals as S-VIDEO input, E1, E2 or E3 changes to S1, S2 or S3 in the display.

Notes:

- If the picture is not clear or no colour appears, change the colour system manually (see page 10).
- When selecting an EXT terminal with no input signal, the EXT number and ID become fixed on screen.

SOUND AND PICTURE

MUTE

You can mute the volume to 0 instantly. This is convenient when answering the phone or when receiving visitors.

1. Press (Mute).

The sound is muted.



To restore the sound:

Press the Mute button again.

POWER BASS

You can enjoy richness and fullness of the bass sound.

1. Press P. BASS.

The POWER BASS turns on.

P. BASS



To cancel the function:

Press the P. BASS button again.



MULTI SOUND

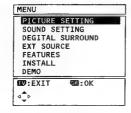
You can select the multi sound mode for stereo broadcast programmes and bilingual programmes.

Note:

 The MULTI SOUND function has no effect on programmes other than A2 or NICAM broadcast programmes.

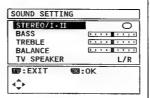
1. Press OK.

The MENU appears.



2. Press ▼/▲ to select SOUND SETTING, then press OK.

The SOUND SETTING menu appears.



Press ▼/▲ to select STEREO/I•II.

Notes:

- The multi sound mode display is different from the broadcast programme.
- The multi sound function does not work in EXT modes.
 The STEREO/I•II does not appear in SOUND SETTING menu.
- Press ◄/▶ to select a multi sound mode.

O: Stereo sound

- I: Bilingual I (Sub I)
- I : Bilingual II (Sub II)
- O: Normal sound
- 5. Press OK.

This completes the setting.

Note:

 When you display the current PR channel number, the current multi sound mode appears for approximately 3 seconds

TINT

You can choose from among three TINT modes.

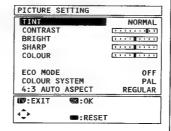
1. Press OK.

The MENU appears.

 Press V/▲ to select PICTURE SETTING, then press OK.

The PICTURE SETTING menu appears.

3. Press ▼/▲ to select TINT.



Press ◀/▶ to select a tint mode.

COOL:

A cool white colour base with a boost in the colour and contrast levels. Creating a more vivid picture.

WARM:

Use this mode when viewing film programmes.

NORMAL:

A normal white colour base with no boost in the colour or contrast levels.

5. Press OK.

This completes the setting.

COLOUR SYSTEM

The colour system is automatically selected, but if the picture is not clear or no colour appears, select the colour system manually.

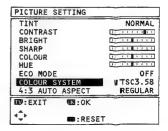
1. Press OK.

The MENU appears.

2. Press ▼/▲ to select PICTURE SETTING, then press OK.

The PICTURE SETTING menu appears.

3. Press ▼/▲ to select COLOUR SYSTEM.



Press ◄/▶ to select the appropriate colour system.

PAL:

PAL system.

SECAM:

SECAM system.

NTSC3.58:

NTSC 3.58 MHz system.

NTSC4.43:

NTSC 4.43 MHz system.

ΔΙΙΤΟ-

Automatic colour system selection.

Notes:

- Auto may not function properly depending on signal quality. If the picture is abnormal in AUTO mode, select another colour system manually.
- When in TV mode (PR 1 to PR 99), you cannot select AUTO, NTSC 3.58 or NTSC 4.43.
- When in TV mode (PR 0), you cannot select NTSC 3.58 or NTSC 4.43

5. Press OK.

This completes the setting.

PICTURE/SOUND ADJUSTMENT

You can adjust the picture and sound as you like.

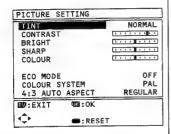
To adjust the picture

1. Press OK.

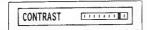
The MENU appears.

2. Press ▼/▲ to select PICTURE SETTING, then press OK.

The PICTURE SETTING menu appears.



Press ▼/▲ to select an item, and press ◀/▶ to adjust it.



 To return to the default settings, press blue button.

⋖	Item	>
Lower	CONTRAST (picture contrast	Higher i)
Darker (p	BRIGHT picture brightnes	Brighter ss)
Softer (SHARP picture sharpnes	Sharper ss)
Lighter	COLOUR (picture colour)	Deeper
Reddish	HUE (picture hue)	Greenish

Note:

- You can adjust the HUE (picture hue) only when the colour system is NTSC 3.58 or NTSC 4.43.
- 4. Press OK.

This completes the setting.

To adjust the sound

1. Press OK.

The MENU appears.

 Press V/A to select SOUND SETTING, then press OK.

The SOUND SETTING menu appears.

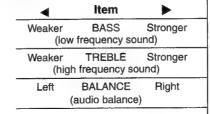


Note:

- When DOLBY* PRO LOGIC is selected in DIGITAL SURROUND menu, BALANCE and TV SPEAKER do not appear.
- * Manufactured under license from Dolby laboratories Licensing Corporation.

"Dolby", the double-D symbole and "Pro Logic" are trademarks of Dolby Laboratories Licensing Corporation.

Press V/▲ to select an item, and press
 to adjust it.



TV SPEAKER L/R/OFF:

Use this function if you connect an audio amplifier and front speakers to your TV. If you set this function to OFF, sound is no longer output from the TV's speakers and the headphones connected to your TV. For details, see "To use 2 external speakers" on page 24.

4. Press OK.

This completes the setting.

ECO MODE

When you set ECO MODE to ON, the screen contrast is automatically adjusted to a setting suitable for the brightness of your room.

This reduces eye strain and the power consumption of the TV.

1. Press OK.

The MENU appears.

 Press ▼/▲ to select PICTURE SETTING, then press OK.

The PICTURE SETTING menu appears.

Press ▼/▲ to select ECO MODE.

PICTURE SETTING	
TINT	NORMAL
CONTRAST	11 11 11
BRIGHT	111111
SHARP	111111
COLOUR	11 11 1111
ECO MODE	OFF
ECO MODE COLOUR SYSTEM	PAL
	*
COLOUR SYSTEM	PAL

- Press ◀/▶ to select ON, OFF.
- 5. Press OK.

This completes the setting.

 If you turned on ECO MO DE, the ECO lamp lights.

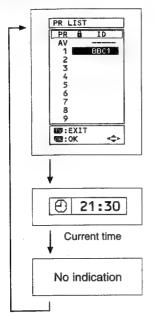
OTHER FEATURES

INFORMATION

You can display the PR LIST or the current time.

1. Press (Information) repeatedly.

The display changes cyclically in the following order.



About PR LIST:

 Ten positions including the currently selected PR channel will be displayed as a list.

Press ▼/▲ / ◀/▶ to select the desired PR channel. For details see page 7.

About the current time display:

This TV uses teletext data to determine the current time.

 If the TV has not received a station that has teletext data since it was turned on, the time display is blank.
 To view the current time, select a station that is broadcasting teletext data. As long as you do not turn off the TV, then even if you select other stations, the time will still be displayed.

SLEEP TIMER

You can set the TV to automatically turn off after a specified period of time.

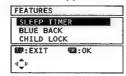
Note:

- The SLEEP TIMER does not turn off the Main power.
- 1. Press OK.

The MENU appears.

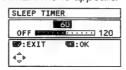
 Press V/▲ to select FEATURES, then press OK.

The FEATURES menu appears.



 Press V/▲ to select SLEEP TIMER, then press OK.

The SLEEP TIMER menu appears.



Press ◀/▶ to select a period of time.

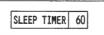
You can set the period of time a maximum of 120 minutes in 10 minute increments.

OFF:

Turns off the SLEEP TIMER.

5. Press OK.

The selected period of time is displayed for approx. 3 seconds.



 The Sleep timer lamp lights if you set the SLEEP TIMER.

To display the remaining Sleep timer time:

Perform steps 1 to 3 to display the SLEEP TIMER menu, and press OK button when you finish checking the time

To turn off the Sleep timer:

Perform steps 1 to 3 to display the SLEEP TIMER menu, press ◀ button to select "OFF", and then press OK button.

The Sleep timer lamp goes out.

Note:

 One minute before the SLEEP TIMER turns off the TV, "GOOD NIGHT!" appears. Three seconds before the SLEEP TIMER turns off the TV, "JVC" is displayed on the screen.

BLUE BACK

When viewing a PR channel with no or poor reception, or if there is no input from an external device, you can mute the sound and change the picture into a blue picture.

1. Press OK.

The MENU appears.

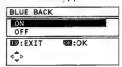
 Press V/▲ to select FEATURES, then press OK.

The FEATURES menu appears.



3. Press ▼/▲ to select BLUE BACK, then press OK.

The BLUE BACK menu appears.



- Press V/▲ to select ON or OFF.
- 5. Press OK.

This completes the setting.

CHILD LOCK

You can lock some PR channels to prevent your children from watching them.

To set the CHILD LOCK

1. Press OK.

The MENU appears.

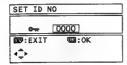
Press V/▲ to select FEATURES, then press OK.

The FEATURES menu appears.



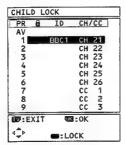
3. Press V/▲ to select CHILD LOCK, then press 0 button.

The SET ID NO menu appears.



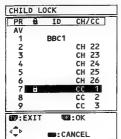
- 4. Enter the ID number.
 - 1. Press ▼/▲ to select a number.
 - 2. Press **◄/▶** to move the cursor.
- 5. Press OK.

The CHILD LOCK menu appears.



6. Press ▼/▲ to select a PR channel, then press blue button.

The selected PR channel is locked.



- To cancel the CHILD LOCK: Press blue button again.
- Repeat step 6 to lock all PR channels which you want to lock.

7. Press OK.

This completes the setting.

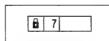
Notes:

- You cannot select a locked PR channel using the PR channel \//\/ buttons.
- Even if you can select a locked channel and display it, you can not view the programme of the locked channel.

To view a locked PR channel

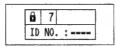
- 1. Select a locked PR channel.
 - Use the number buttons to select the PR channel.

The locked channel is displayed.



2. Press (Information).

The ID NO. input menu appears.



3. Press the number buttons to enter the ID number.

You are now viewing the locked PR channel.

If you forget the ID number:

Perform steps 1 to 3 of "To set the CHILD LOCK". After you confirm the ID number, press the TV button to exit the

DEMONSTRATION

The demonstration runs automatically and introduces the menus of this TV's main features.

1. Press OK.

The MENU appears.

2. Press V/▲ to select DEMO, then press OK.

The demonstration begins.

 To stop the demonstration, press any button on the remote control.

ZOOM

Select a ZOOM mode to change the picture format. You can enlarge the picture to fill the wide TV screen (16:9 aspect ratio). In addition, you can stretch a normal picture (4:3 aspect ratio) to fill the wide TV screen.

Notes:

- The picture format information of the present broadcasting programme may be received as WSS (Wide Screen Signalling). When AUTO mode is selected for ZOOM mode and the WSS signal is received, this TV automatically selects the optimum ZOOM mode corresponding to the WSS signal. However, in the case of weak WSS signal reception, this function may not work correctly. In this case, select the optimum ZOOM mode manually.
- If the EXT-1 terminal's input is from a
 picture signal with a 16:9 aspect ratio
 picture format, the ZOOM mode may
 automatically changes to FULL mode.
 This is because the TV detects an
 identification signal which is not an WSS
 signal.

Manual ZOOM selection

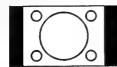
You can select a ZOOM mode manually.

1. Press ZOOM repeatedly to select a ZOOM mode.

The picture expands.

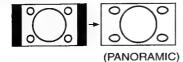
REGULAR mode:

Use to view a normal picture (4:3 aspect ratio) unchanged.



PANORAMIC mode:

Stretches the left and right sides of a normal picture to fill the screen, in a way that does not appear unnatural.

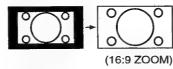


Note:

 In PANORAMIC mode, the top, bottom, left and right of the picture are slightly cut off.

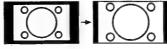
16:9 ZOOM mode:

Use to expand a wide picture (16:9 aspect ratio).



14:9 ZOOM mode:

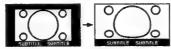
Use to expand a picture with a 14:9 aspect ratio.



(14:9 ZOOM)

16:9 ZOOM SUBTITLE mode:

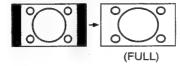
Use to expand a picture with a 16:9 aspect ratio having subtitles at the bottom of the screen.



(16:9 ZOOM SUBTITLE)

FULL mode:

Uniformly stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the wide TV screen.



Note:

 For pictures with a 16:9 aspect ratio that have been squeezed into a normal picture (4:3 aspect ratio), select FULL mode to restore their original dimensions.

To move the picture vertically:

If you cannot see subtitles at the bottom of the screen, or if the top or bottom is cut off, move the picture vertically.

Note:

 You cannot move the picture vertically in AUTO, REGULAR and FULL mode.

1. Press ZOOM.

The current ZOOM mode is displayed.



Before the display disappears, press ▼/▲ to move the picture up or down.

△ , ♥ :Default position

▲ , ▼ :The picture is moved from default position.

Note:

 If you change the ZOOM mode, the picture returns to its default position.

Automatic ZOOM selection (AUTO mode)

You can set your TV to automatically select the optimum ZOOM mode to suit the picture format.

1. Press ZOOM repeatedly to select AUTO.

Your TV automatically selects the optimum ZOOM mode to suit the current programme's picture format.

Note:

 This function may not work correctly depending on the programme. In this case, select the optimum ZOOM mode manually.

To preset a ZOOM mode for the normal picture:

You can preset one of the three ZOOM modes, REGULAR, PANORAMIC or 14:9 ZOOM, as the ZOOM mode for the normal picture (4:3 aspect ratio).

1. Press OK

The MENU appears.

2. Press ▼/▲ to select PICTURE SETTING, then press OK.

The PICTURE SETTING menu appears.

3. Press V/▲ to select 4:3 AUTO ASPECT.

PICTURE SETTING	
TINT	NORMAL
CONTRAST	
BRIGHT	
SHARP	11 11 11 11
COLOUR	11 1 1 1 1 1 1
1	
ECO MODE	OFF
COLOUR SYSTEM	PAL
COLOUR SYSTEM	PAL

Press ► to select ZOOM mode.

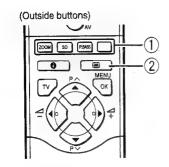
5. Press OK.

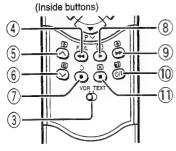
This completes the setting.

TELETEXT

Note:

 If you have trouble receiving teletext broadcasts, consult your local dealer or the teletext station.





- Colour buttons
- ② TV/text button
- ③ VCR/TEXT selector switch
 - When this switch is set to the TEXT side, the following buttons function as the teletext control button.
- 4 MODE button
- ⑤ HOLD button
- 6 SUB PAGE button
- STORE button
- ® REVEAL button
- SIZE button
- 10 INDEX button
- 1 DISPLAY CANCEL button

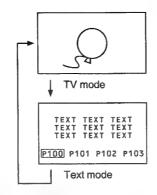
BASIC TELETEXT OPERATION

You can view three types of teletext broadcasts on the TV: Fastext, TOP and WST. The TV automatically recognizes the type of teletext broadcast.

Condition:

- The VCR/TEXT selector switch must already be set to the TEXT side.
- Select a channel with a teletext broadcast.

2. Press (TV/text).



3. Select a page number.

Browse

Press the PR channel \lor / \land button on the remote control.

Direct selection:

Press the number buttons to enter a three-digit page number.

Colour button selection:

Press a colour button to select the corresponding page number on the bottom line of the screen.

Notes:

- Category names of teletext pages may appear instead of page numbers.
- In principle, ZOOM mode is fixed to FULL mode when you view Teletext programmes.
- Some Teletext programmes display a mixture of regular TV programmes and Text information. When viewing these Teletext programmes, pay attention to the following points.
- Teletext pages cannot be selected with the Colour buttons.
 To change to other Teletext pages, select the Teletext page that you want to view with the Channel V//\ buttons or number buttons.
- ZOOM mode returns to the mode you selected before you started viewing Teletext programmes. If part of the Teletext information is missing at the top or bottom of the screen, press the ZOOM button to switch ZOOM mode to FULL mode or REGULAR mode.
- To return to TV mode, press the TV/text again.

Note:

 You can also return to TV mode by pressing the TV button.

DISPLAY CANCEL

You can search for a teletext page while watching TV.

1. Select a teletext page.

The TV searches for a teletext page.

2. Press DISPLAY CANCEL.

The TV programme appears.

When the TV finds the teletext page, its page number appears in the upper left of the screen.

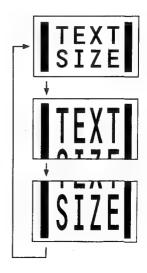
Note:

- If selecting something oher than REGULAR or FULL mode for ZOOM mode, the page number does not appear on the screen.
- 3. Press (TV/text) when the page number is on the screen.

SIZE

You can double the height of the teletext display.

1. Press SIZE repeatedly.

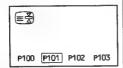


HOLD

You can hold a teletext page on the screen for a desired length of time, even while several other teletext pages are being received.

1. Press HOLD.

is displayed in the upper left of the screen, and the teletext page is held on the screen.



To release hold mode:

Press HOLD button again.

INDEX

Just press INDEX button to return to the index page.

1. Press INDEX.

Fastext/TOP/WST:

Returns to page 100 or a previously specified page.

LIST mode:

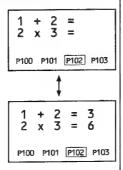
Returns to the page number displayed in the lower left area of the screen.

REVEAL

Some teletext pages include hidden text (such as answers to a quiz).

1. Press REVEAL.

Each time you press REVEAL button, text is hidden or revealed.



LIST MODE

If you store the numbers of teletext pages you view often, you can quickly call up a desired teletext page whenever you like.

Note:

 You can store up to 64 pages in memory. You can store four pages in each channel from 1 to 15 (60 pages), and four pages that are the same for all channels above channel 15 (4 pages).

To store the page numbers

1. Press MODE to engage LIST mode.

Stored page numbers are displayed at the bottom of the screen.

2. Press a colour button, then enter the number of the teletext page.

To assign other pages to remaining colour buttons, repeat this operation.

3. Press and hold STORE.

The four page numbers blink white to indicate that they are stored in memory.

To call up a stored page

1. Press MODE to engage LIST mode.

Stored page numbers are displayed at the bottom of the screen.

To release LIST mode: Press MODE button again.

Press a colour button to which a page has been assigned.

SUB PAGE

Some teletext pages include subpages that are automatically displayed. You can hold any subpage, or view it at any time.

- Call up a teletext page with sub-pages.
- 2. Press SUB PAGE.
- 3. Enter the number of the sub-page.

Example:

To select the 3rd sub-page, press number buttons "0", "0", "0", and "3".

Note:

 You can also select a sub page by pressing the red or green colour button.

SURROUND SOUND

DOLBY PRO LOGIC 3D-PHONIC

You can enjoy the ambiance of Dolby Surround encoded programmes.

Condition:

 Before performing the procedure, disconnect headphones from the TV.

Notes:

- This function works only with Dolby Surround encoded programmes.
- When operating this function, the TV's 3D lamp lights up.

1. Press OK.

The MENU appears.

 Press ▼/▲ to select DIGITAL SURROUND, then press OK.

The DIGITAL SURROUND menu appears, showing the currently active function.



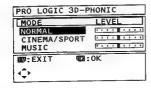
3. Press V/▲ to select PRO LOGIC 3D-PHONIC.

To cancel the function:

Select SURROUND OFF, then press the OK button.

4. Press ▶.

The PRO LOGIC 3D-PHONIC menu appears.



Press ▼/▲ to select the desired mode.

NORMAL:

For normal programmes

CINEMA/SPORT:

For cinema and sports programmes

MUSIC.

For music programmes

To adjust the effect level:

Press the **◄/**▶ button.

6. Press OK.

Note:

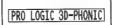
 If, while using this function, you connect headphones to your TV, the 3D HEADPHONE function (see next page) activates automatically.

To turn on/off DOLBY PRO LOGIC 3D-PHONIC with one touch

1. Press 3D.

DOLBY PRO LOGIC 3D-PHONIC turns on.





To cancel the function:

Press the 3D button again.

SURROUND OFF

To return the previous surround function:

Press the 3D button twice.

Note:

 If headphones are connected to the TV, 3D HEADPHONE will appear instead of PRO LOGIC 3D-PHONIC. In this case, unplug the headphones from the TV.

DIGITAL SURROUND

You can enjoy any one of the four Digital Surround function.

Condition:

 Before performing the procedure, disconnect headphones from the TV.

1. Press OK.

The MENU appears.

Press ▼/▲ to select DIGITAL SURROUND, then press OK.

The DIGITAL SURROUND menu appears, showing the currently active function.



3. Press ▼/▲ to select the desired function.

DANCE CLUB:

For the atmosphere of a dance club

CONCERT HALL:

For the atmosphere of a concert hall

STADIUM:

For the atmosphere of a stadium

HYPER SOUND:

To give monaural sound the spacious feeling of stereo sound

To cancel the function: Select SURROUND OFF.

4. Press OK.

Notes:

- Only HYPER SOUND works well with monaural sound programmes.
- HYPER SOUND does not work well with stereo sound programmes.
- If, while using this function, you connect headphones to your TV, Headphone Surround (see next page) activates automatically.

HEADPHONE SURROUND

You can enjoy surround sound on your headphones. You can enjoy any one of the four Headphone surround functions.

Condition:

- Before performing this procedure, connect headphones to the TV.
- 1. Press OK.

The MENU appears.

2. Press ▼/▲ to select HEADPHONE SURROUND, then press OK.

The HEADPHONE SURROUND menu appears, showing the currently active function.



Press ▼/▲ to select the desired function.

3D HEADPHONE:

For a broad, atmospheric sound

DANCE CLUB:

For the atmosphere of a dance club

CONCERT HALL:

For the atmosphere of a concert hall

STADIUM:

For the atmosphere of a stadium

HYPER SOUND:

To give monaural sound the spacious feeling of stereo sound

To cancel the function: Select SURROUND OFF.

4. Press OK.

Note:

NOLE:

 HYPER SOUND does not work well with stereo sound programmes.

To turn the 3D HEADPHONE on/off with one touch

1. Press 3D.

3D HEADPHONE turns on.





To cancel the function:

Press the 3D button again.



To return the previous surround function:

Press the 3D button twice.

Note:

 If headphones are not connected to the TV, PRO LOGIC 3D-PHONIC will appear instead of 3D HEADHONE. In this case, plug headphones into the TV.

DOLBY PRO LOGIC SURROUND

You can also use Dolby Pro Logic Surround sound with 4 or 5 speakers. If you wish to use this system, additional amplifiers and speakers are required. For details, see "To use 4 or 5 speakers" on page 25.

Condition:

 Before performing the procedure, disconnect headphones from the TV.

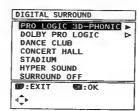
Note:

- This function works only with Dolby Surround encoded programmes.
- 1. Press OK.

The MENU appears.

2. Press ▼/▲ to select DIGITAL SURROUND, then press OK.

The DIGITAL SURROUND menu appears, showing the currently active function.



3. Press ▼/▲ to select DOLBY PRO LOGIC.

To cancel the function: Select SURROUND OFF.

4. Press OK.

Note:

 If, while using this function, you connect headphones to the TV, the 3D HEADPHONE function (see above) activates automatically. However, note that you cannot use Dolby Pro Logic Surround with headphones.

OTHER PREPARATION

EXT SETTING

You can select S-VIDEO or normal input for the EXT-1, EXT-2 and EXT-3 terminals, and you can give an EXT ID to each EXT input terminal.

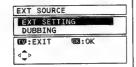
To select S-VIDEO input for a terminal

1. Press OK.

The MENU appears.

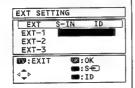
2. Press V/▲ to select EXT SOURCE, then press OK.

The EXT SOURCE menu appears.



 Press V/A to select EXT SETTING, then press OK.

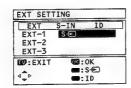
The EXT SETTING menu appears.



- Press V/▲ to select an EXT input terminal.
- 5. Press yellow button.

The S-VIDEO input indication appears.

 To select normal input, press yellow button again.



- If you want to set an EXT ID here, perform the operation procedures from the step 4 in the next column.
- 6. Press OK.

The menu disappears.

To give an EXT ID to an EXT input terminal

1. Press OK.

The MENU appears.

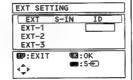
2. Press V/▲ to select EXT SOURCE, then press OK.

The EXT SOURCE menu appears.

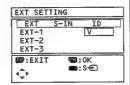
 Press V/▲ to select EXT SETTING, then press OK.

The EXT SETTING menu appears.

- Press V/▲ to select an EXT input terminal.
- 5. Press blue button.

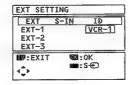


6. Repeatedly press V/▲ to select a character.



- 7. Press ▶ to move the cursor forward.
 - Pressing

 button moves the cursor backward.
 - To cancel the operation, press the
 (Information) button.



8. Press OK.

Note:

- To erase EXT ID, reset the EXT ID to a blank space.
- This completes the procedure.
 Press the TV button to exit the menu.

DUBBING

Select output to a VCR or other device connected to the EXT-2 terminal. Note that you cannot output from the EXT-2 terminal when the TV is turned off.

Note:

- RGB signals from TV games and TELETEXT screens cannot be output from EXT-2 terminal.
- 1. Press OK.

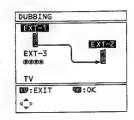
The MENU appears.

2. Press V/▲ to select EXT SOURCE, then press OK.

The EXT SOURCE menu appears.

 Press V/▲ to select DUBBING, then press OK.

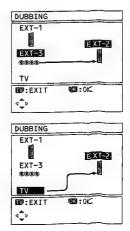
The DUBBING menu appears.



Press V/▲ to select the input which you want to output from EXT-2.

TV:

The sound and picture of the currently selected PR channel is output from EXT-2, so you can record the output on a VCR connected to the EXT-2 terminal while watching a video input from the EXT-1 or EXT-3 terminal.



5. Press OK.

The menu disappears.

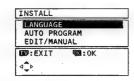
LANGUAGE

You can select one of ten languages for the on-screen display.

- 1. Press OK.

 The MENU appears.
- 2. Press V/▲ to select INSTALL, then press OK.

The INSTALL menu appears.



 Press V/▲ to select LANGUAGE, then press OK

The LANGUAGE menu appears.



- Press ▼/▲ to select a language.
- 5. Press OK.

This completes the setting.

AUTO PROGRAM

You can automatically allocate up to 99 stations to PR channels PR 1 to PR99 on this TV.

When the TV receives a signal describing the station's name, it allocates those stations, station IDs, and registers then as they were preset at the JVC factory.

1. Press OK.

The MENU appears.

 Press V/▲ to select INSTALL, then press OK.

The INSTALL menu appears.

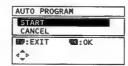
 Press V/▲ to select AUTO PROGRAM, then press OK.

The COUNTRY menu appears.



 Press V/▲/◄/► to select your country, then press OK.

The AUTO PROGRAM menu appears.



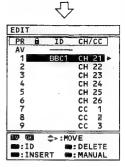
Note:

- If you make a mistake when selecting your country, or do not want to use the Automatic allocation function, select CANCEL, and then press OK button to return to the INSTALL menu.
- 5. Press OK.

The PR channel is automatically set and the EDIT menu is displayed.

 If you want to edit PR channels or allocate a station to PR0 (AV) channel, see page 21 "EDIT/ MANUAL" for procedural description.





Note:

- If a station you want to view is not allocated to a PR channel, perform Manual allocation (see page 23).
- The procedure is complete.
 Press the TV button to exit the menu.

EDIT/MANUAL

You can change PR channel settings by doing any of the following:

- You can delete an unwanted station from a PR channel,
- You can change the PR channel number of a station,
- You can add station IDs to PR channels.
- You can add a new station to a PR channel, or
- You can manually allocate the desired station to a PR channel.

To edit PR channels

1. Press OK.

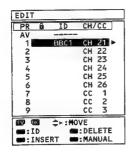
The MENU appears.

2. Press V/▲ to select INSTALL, then press OK.

The INSTALL menu appears.

3. Press V/▲ to select EDIT/ MANUAL, then press OK.

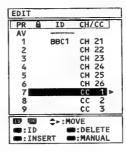
The EDIT menu appears.



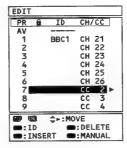
- 4. Use any of the procedures described in the following pages to change the PR channel settings.
- This completes the procedure.
 Press the TV button to exit the menu.

To delete a station from a PR channel

1. Press V/▲ to select the station you want to delete.



2. Press yellow button.

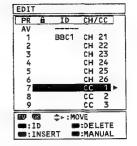


Note:

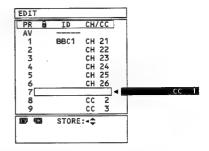
 Stations allocated to PR channels following the deleted PR channel number are shifted back by one to the preceding PR channel number.

To change the PR channel number of a station

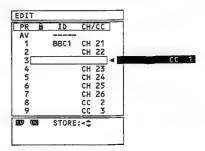
Press V/▲ to select the station.



2. Press ▶.



- Press V/▲ to move the selected station to the desired PR channel number.
 - To cancel the operation, press the (Information) button.

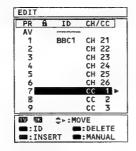


4. Press ◀.

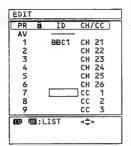


To add a station ID to a station

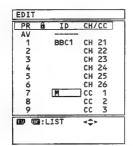
Press V/▲ to select the station.



2. Press red button.

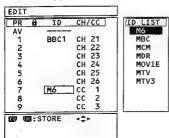


 Press V/▲ to select the first letter of the desired station's ID.



4. Press OK.

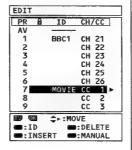
The ID LIST appears.



- Press V/▲ to select the station ID.
 - To cancel the operation, press the
 (Information) button.

6. Press OK.

Returns to the EDIT menu.



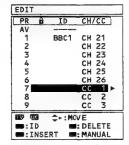
Programming a station's ID manually:

Follow the operations below in place of steps 3 thru 5.

- Press the V/A button repeatedly to select a character.
- (2) Press the ▶ button to move cursor to input position.
- (3) To complete station ID, follow steps (1) and (2) repeatedly.
 - A station ID can have up to 5 characters.

To add a new station to a PR channel

 Press V/▲ to select the row containing the PR channel number to which you want to add a station.



- 2. Press green button.
- 3. Press V/▲ to display the enter number indicator.

CH: to add terrestrial broadcast stations

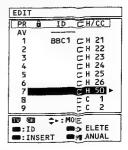
CC: to add cable TV stations

To cancel the operation, press the
 (Information) button.

EDIT		
PR 6	ID	CH/CC
AV		-
1	BBC1	CH 21
2		CH 22
3		CH 23
4		CH 24
5		CH 25
2 3 4 5 6 7 8		CH 26
7		CH
8		CC 1
9		C C 2
IV OK	0 -Ø	=:CH/CC

Note:

- For details on the relation ship between the displayed CH/CC number and the actual channel number, see the Channel table on page 27.
- Press the number buttons to enter the channel number.
 - To enter a one-digit charmel number, enter the corresponding number and press OK button.



Note:

 When you add a station, he station preset to PR99 is deleted

To manually allocate a station to PR channel (Manual allocation)

1. Press blue button.

Your TV enters the Manual allocation mode.



2. Press ▼/▲ to select a PR channel number.

Note:

 PR channel number "AV" appears on the screen as PR 0 channel.
 We recommend that you allocate this PR channel to a VCR connected to the aerial socket.

3. Press green or red button to search for a station.

Scanning stops when the TV receives a broadcast.

Press green or red button to search for another station, and keep searching until you see the station you want.

CH: Terrestrial broadcast stations CC: Cable TV stations

If reception is poor:

Press the blue or yellow button to fine-tune the station.

Note:

 For details on the relationship between the displayed CH/CC number and the actual channel number, see the Channel table on page 27.

4. Press OK.

The station is allocated to a PR channel.

CONNECTING AMPLIFIERS AND SPEAKERS

Condition:

- When connecting audio amplifiers and speakers to your TV:
 - Turn the TV and audio amplifiers off before connecting them.
 - Set the audio amplifiers' volume to minimum.
 - Refer to manuals provided with the amplifier and speakers for further details.

Notes:

- The AUDIO OUT terminals on your TV are for connecting to an audio system.
 The output level is controlled by the Volume controls of your TV.
 The signal from the AUDIO OUT terminals will not cut off when headphones are connected.
- If you connect a Dolby Pro Logic Surround decoder to your TV, use the FRONT L and R jacks. Your TV has Dolby Pro Logic Surround functions, so if you connect an external decoder, turn off all surround function on your TV.

①, ③: Stereo amplifier

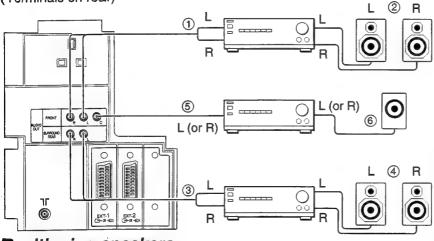
2: Front speakers (magnetic-shielded type, L, R)

(4); Surround speakers (L, R)

5: Stereo amplifier (or monaural amplifier)

6; Centre speaker (magnetic-shielded type)

(Terminals on rear)



Positioning speakers

2 Prox. 45 degrees

Notes:

- For a good effect, place speakers 4
 1.0 m above the seated listener's head.
- For a good effect, place speaker ® as close as possible to the TV along the same line as or behind, speakers ②.
- Use magnetic-shielded speakers for speakers ② and ⑥ to avoid TV interference.

To use 2 external speakers

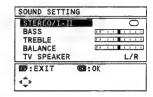
You can cut off the sound output from the TV's speakers and enjoy sound from external front speakers.

- Connect stereo amplifier ①
 and front speakers ② to
 your TV.
- Turn your TV on, and press the Volume -/+ button to set the volume to the lowest setting.
- 3. Press OK.

The MENU appears.

4. Press V/▲ to select SOUND SETTING, then press OK.

The SOUND SETTING menu appears.



Note:

- When DOLBY PRO LOGIC is selected in DIGITAL SUR ROUND menu, "TV SPEAKER" does not appear. In this case, press the OK button to exit the current menu. Then, press the 3D button twice to select SURROUND OFF and repeat from Step 3.
- 5. Press V/▲ to select TV SPEAKER.
- 6. Press **◄/▶** to select OFF.

The TV's speakers become silent and the menu disappears after several seconds.

To output sound from the TV speakers:

Set TV SPEAKER to L/R.

Note:

- If TV SPEAKER is set to OFF, sound will no longer be cutput from the headphones connecled to your TV.
- 7. Press OK.

The menu disappears.

 Turn your audio amplifier on, and return the volume of your audio amplifier to the normal setting.

Note:

- Take care not to set the volume of your audio amplifier too high as this may damage your speakers.
- 9. Press the Volume -/+ button to adjust the volume.
- This completes the procedure.

To use 4 or 5 speakers

You can enjoy Dolby Pro Logic Surround sound with 4 or 5 speakers.

1. Connect audio amplifiers and speakers to the TV.

Do one of the following:

- A: Connect stereo amplifier ③ and surround speakers ④. This leaves out the centre speaker.
- B: Connect stereo amplifiers ①, ③, front speakers ②, and surround speakers ④. This uses the TV's speakers as the centre speakers.
- ©: Connect stereo amplifiers ①, ③, stereo amplifier (or monaural amplifier) ⑤, front speakers ②, surround speakers ④, and centre speaker ⑥. If you use this method, do not output sound from the TV's speakers.
- Turn your TV on, and press the Volume -/+ button to set the volume to the normal setting.
- 3. Press OK.

The MENU appears.

 Press V/▲ to select DIGITAL SURROUND, then press OK.

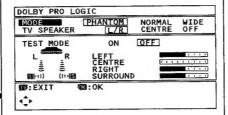
The DIGITAL SURROUND menu appears, showing the currently selected setting.



Note:

- If headphones are connected to the TV, DIGITAL SURROUND does not appear in the MENU. Disconnect the headphones.
- Press ▼/▲ to select DOLBY PRO LOGIC, then press ►.

The DOLBY PRO LOGIC menu appears.



Press V/▲ to select an item, and press
 to change its setting.

Item

Method MODE		TV SPEAKER
A	PHANTOM	L/R
В	NORMAL	CENTRE
C	NORMAL OFF	
<u>o</u>	WIDE	0.1
1		

Note:

- Set MODE to WIDE when using a full-range speaker as the centre speaker. Frequencies of 100 Hz or lower are output from the centre speaker to give Dolby Surround an even greater impact.
- Turn your audio amplifier on, and return the volume of your audio amplifier to the normal setting.

Note:

- Take care not to set the volume of your audio amplifier too high as this may damage your speakers.
- Press V/▲ to select TEST MODE.
- 9. Press ◀/▶ to set TEST MODE to ON.

Test signals alternate among the speakers.

Note:

 If the test signal level is small to listen to, adjust it with the volume of your audio amplifier. However, take care not to set the volume too high as this may damage your speakers. 10. Press ◀/▶ to adjust the level of each of the speakers so that their volumes are the same at the listening position (the place where the person is sitting in the diagram, see page 24).

LEFT. RIGHT:

Front speaker L, R

CENTRE:

Centre speaker

SURROUND:

Surround speakers

Notes:

- When MODE is set to PHANTOM, the volume of CENTRE: (Centre speaker) cannot be adjusted.
- If the volume of both speakers is not the same even after adjusting the volume, adjust the volume of your audio amplifier.

11. Press OK.

The menu disappears.

• This completes the procedure.

TROUBLESHOOTING

• If the plug is disconnected from the AC socket, or the TV aerial has problems, you may think there is a problem with the TV itself. Be sure to check the following before calling for service.

IMPORTANT

· Review all instructions in this manual.

	Problem	Action
■ GENERAL	No power supply.	Insert the plug in an AC socket. Press the Main power button (see page 6).
	No picture or sound.	Check aerial connections (see page 4). Press the number 0 button to select the correct mode (see page 9). Select the correct colour system manually (see page 10).
	The power shuts off automatically.	Press the Standby button to turn the power on again (see page 6)
	Inoperable remote control.	Replace the batteries (see page 2). Insert the batteries correctly (see page 2). Use the remote control within about 7 metres of the TV.
■ PICTURE	Poor colour.	Adjust COLOUR and BRIGHT (see page 11). Select the correct colour system manually (see page 10).
	The screen mode suddenly changed.	The ZOOM mode's automatic selective function is working (see page 14).
	Lines or streaks in picture (interference).	Move the components apart until the interference is eliminated. Reposition the aerial.
	Spots (crosstalk).	Reposition the aerial. Replace with an aerial with better directionality.
	Double pictures (ghosts).	Reposition the aerial. Replace with an aerial with better directionality.
	Snowy pictures (noise).	Check aerial connections. Redirect the aerial. Replace or repair the aerial.
	The screen turns blue.	The BLUE BACK function is on (see page 12).
■ SOUND	No sound from the TV's speakers.	Disconnect the headphones. Set TV SPEAKER to L/R (see page 24).
	No stereo sound.	Change STEREO/I•II to (stereo sound) mode (see page 10).
	No "SUB-I" or "SUB-II" sound in a multisound broadcast.	Change STEREO/I•II to the correct mode (see page 10).
	Surround function does not function properly.	Dolby Pro Logic Surround and DOLBY PRO LOGIC 3D-PHONIC work properly only with Dolby Surround encoded programmes. Functions other than HYPER SOUND and the Headphone surround functions work properly only with stereo programmes. HYPER SOUND works properly only with monaural programmes.
■ TELETEXT	No teletext reception.	Tune to a teletext broadcast channel (see page 15). We recommend that you not videotape teletext, as it may not be recorded correctly.
	The current time is not displayed.	Tune to a teletext broadcast channel (see page 12).

The following are normal and are NOT malfunctions:

- When you touch the CRT surface, you might feel a slight charge of static electricity. This is because the CRT contains static electricity; it does not affect the human body.
- The TV may emit a crackling sound due to a sudden change in temperature. There is no problem unless the picture or sound is abnormal.
- When a bright a still image (of a white dress, for example) appears on the screen, the image may be coloured. This problem
 occurs in all CRTs, and as the bright image disappears, such colouration also disappears.
- This TV is equipped with a microcomputer that may operate abnormally due to interference from external components. If
 this happens, turn off the main power and disconnect the power cord from the AC socket. Then reconnect the power cord to
 AC socket and turn on the main power again.

Channel table

 The following table shows the relationship between the displayed CH/CC channel number and the actual channel number.

СН	Channel		
CH2	E2		
CH3	E3, ITALY A		
CH 4	E4, ITALY B		
CH 5	E5, ITALY D		
CH 6	E6, ITALY E		
CH 7	E7, ITALY F		
CH 8	E8		
CH9	E9, ITALY G		
CH 10	E10, ITALY H		
CH 11	E11, ITALY H+1		
CH 12	E12, ITALY H+2		
CH 21	E21		
CH 22	E22		
CH 23	E23		
CH 24	E24		
CH 25	E25		
CH 26	E26		
CH 27	E27		
CH 28	E28		
CH 29	E29		
CH 30	E30		
CH 31	E31		
CH 32	E32		
CH 33	E33		
CH 34	E34		
CH 35	E35		
CH 36	E36		
CH 37	E37		
CH 38	E38		
CH 39	E39		
CH 40	E40		
CH 41	E41		
CH 42	E42		
CH 43	E43		
CH 44	E44		
CH 45	E45		
CH 46	E46		
CH 47	E47		
CH 48	E48		
CH 49	E49		
CH 50	E50		

СН	Channel
CH 51	E51
CH 52	E52
CH 53	E53
CH 54	E54
CH 55	E55
CH 56	E56
CH 57	E57
CH 58	E58
CH 59	E59
CH 60	E60
CH 61	E61
CH 62	E62
CH 63	E63
CH 64	E64
CH 65	E65
CH 66	E66
CH 67	E67
CH 68	E68
CH 69	E69

CC	Channel	
CC 1	S1	
CC 2	S2	
CC 3	S3	
CC 4	S4	
CC 5	S 5	
CC 6	S6	
CC 7	S7	
CC 8	S8	
CC 9	S9	
CC 10	S10	
CC 11	S11	
CC 12	\$12	
CC 13	S13	
CC 14	S14	
CC 15	S15	
CC 16	S16	
CC 17	S17	
CC 18	S18	
CC 19	S19	
CC 20	S20	
CC 21	S21	
CC 22	S22	
CC 23	S23	
CC 24	S24	
CC 25	S25	
CC 26	S26	
CC 27	S27	
CC 28	S28	
CC 29	S29	
CC 30	S30	
CC 31	S31	
CC 32	S32	
CC 33	S33	
CC 34	S34	
CC 35	S35	
CC 36	S36	
CC 37	S37	
CC 38	S38	
CC 39	S39	
CC 40	S40	

Channel
S41
Х
Υ
Z, ITALY C
Z+1
Z+2

SPECIFICATIONS

Model		AV COMPATAVA COMPATAVA	
Item	AV-28WR4EN/AV-28WR4ENS		
TV RF systems	CCIR B/G		
Colour systems	PAL, SECAM (NT	PAL, SECAM (NTSC 3.58 / 4.43 MHz only in EXT modes)	
Channels and frequencies	E2-E12, E21-E69,	E2-E12, E21-E69, S1-S41, X, Y, Z, Z+1, Z+2, A-H, H+1, H+2	
Sound-multiplex systems	A2 / NICAM system		
Teletext systems	Fastext (United Kingdom system) / TOP (German system) / WST (standard system)		
Power requirements	AC 220 – 240 V, 50 Hz		
Power consumption	Maximum 196 W, Average 125 W, Standby 2.0 W		
Picture tube size	Visible area 66 cm (measured diagonally)		
Audio output	Rated Power output 15 W + 15 W		
Speakers	10 cm round × 2, 3.5 cm round × 2		
External input / output	EXT-1, EXT-2	21-pin Euroconnector (SCART)	
	EXT-3	VIDEO IN (RCA)	
		AUDIO L / R IN (RCA)	
		S-VIDEO IN (Mini Din 4-pin)	
	AUDIO OUT	(Variable out (0 - 1 Vrms), low impedance)	
		FRONT L/R/C output (RCA)	
		SURROUND REAR L/R output (RCA)	
	Headphone jack (stereo mini jack, dia. 3.5 mm)		
Dimensions (W × H × D)	716 mm × 489 mm × 496 mm		
Weight	36.2 kg		
Accessories	Remote control un	it RM-C793 × 1	
	AAA (R03) dry cell battery × 2		

Design and specifications subject to change without notice.

Pictures displayed on the screen using this TV's image-processing functions should not be shown for any commercial or demonstration purpose in public places (tearooms and halls in hotels, etc.) without the consent of the owners of copyright of the original picture sources, as this constitutes an infringement of copyright.

